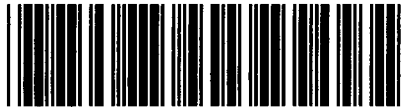




Control Number: 50595



Item Number: 189

Addendum StartPage: 0



Public Utility Commission of Texas

Employee Training Report Required by 16 Texas Admin. Code § 25.97(d)

RECEIVED

2021 APR 20 AM 9:07

PUBLIC UTILITY COMMISSION
FILING CLERK

PROJECT NO. 50595

AFFECTED ENTITY: Wood County Electric Cooperative, Inc.

General Information

Pursuant to 16 Texas Admin. Code § 25.97(d)(2), not later than the 30th day after the date an affected entity finalizes a material change to a document or training program, the affected entity must submit an updated report. The first report must be submitted not later than May 1, 2020.

Instructions

Answer all questions, fill-in all blanks, and have the report notarized in the Affidavit.

Affidavit

A representative of the affected entity must swear to and affirm the truthfulness, correctness, and completeness of the information provided by attaching a signed and notarized copy of the Affidavit provided with this form.

Filing Instructions

Submit four copies (an original and three copies) of the completed form and signed and notarized Affidavit to:

Central Records Filing Clerk
Public Utility Commission of Texas
1701 N. Congress Avenue
P.O. Box 13326
Austin, Texas 78711-3326
Telephone: (512) 936-7180

1. Provide a summary description of hazard recognition training documents you provide your employees related to overhead transmission and distribution facilities.

Wood County Electric Cooperative scheduled training in 2020 for March 20 and 31, but with mandated travel restrictions this training has been rescheduled. The class is offered by Texas Electric Cooperatives (TEC) and will be instructed by Hi-Line Engineering, a GDS company. Attached is an outline of the material to be covered which includes Hazard Recognition.

UPDATED:

Wood County Electric Cooperative provided training on hazard recognition in a series of three webinars offered by Texas Electric Cooperatives (TEC). Included is a description of the three webinars and the employee completion list.

2. Provide a summary description of training programs you provide your employees related to the National Electrical Safety Code for construction of electric transmission and distribution lines.

Wood County Electric Cooperative scheduled training in 2020 for March 20 and 31, but with mandated travel restrictions this training has been rescheduled. The class is offered by Texas Electric Cooperatives (TEC) and will be instructed by Hi-Line Engineering, a GDS company. Attached is an outline of the material to be covered which includes National Electric Safety Code (NESC). Additionally all of the line designers have attended, or are scheduled to attend three phases of staking school offered by TEC and covers NESC clearances and other design considerations.

UPDATED:

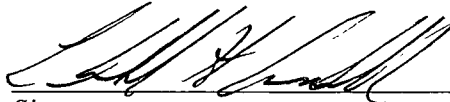
Wood County Electric Cooperative provided training on hazard recognition in a series of three webinars offered by Texas Electric Cooperatives (TEC). Included is a description of the three webinars and the employee completion list.

Affected Entity: Wood County Electric Cooperative, Inc.

PROJECT NO. 50595

AFFIDAVIT

I swear or affirm that I have personal knowledge of the facts stated in this report or am relying on people with personal knowledge, that I am competent to testify to them, and that I have the authority to submit this report on behalf of the affected entity. I further swear or affirm that all statements made in this report are true, correct, and complete.



Signature

Cliff H. Campbell

Printed Name

Assistant Manager/Chief Operating Officer

Job Title

Wood County Electric Cooperative, Inc.

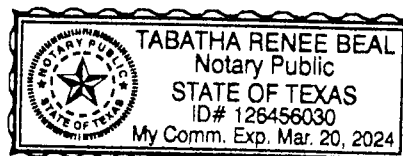
Name of Affected Entity

Sworn and subscribed before me this 15 day of April, 2021
Month Year



Notary Public in and For the State of Texas

My commission expires on 3-20-2024



INTRODUCTION

In accordance with the William Thomas Heath Power Line Safety Act, HB 4150, and PUCT Substantive Rule 25.97, Wood County Electric Cooperative is providing a summary description of training programs provided to employees related to overhead transmission and distribution lines. Among other things, this training includes hazard recognition, adherence to NESC guidelines for construction, operation and maintenance of transmission and distribution lines. Training also includes NESC Rule 232, clearance requirements over any of the 178 lakes listed in the Act. Included herein are summaries of the current training modules Wood County Electric Cooperative provides to employees.

Summary of TEC Safety Meeting Webinar HB4150 Training (two- to four-hour course)

The training will include an overview of HB 4150 with an explanation of requirements for the utilities operating in Texas. It will also include hazard recognition training as it applies to the requirements of compliance with the National Electric Safety Code (NESC). This will include clearance requirements for lands, roadways, and waterways. The employee training will define to whom, when and how the bill applies. As well as explanation of guidelines, requirements, and deadlines for filing reports. A portion of the course will include hazard recognition and an explanation of clearance guideline requirements preparing employees to proactively recognize and report hazards and clearance related issues on their utilities' system.

Course Outline:

1. HB 4150 Review
2. Hazard Recognition
3. NESC Clearance Guideline Requirements

Course Materials:

1. Power Point Presentation
2. Presentation Material Handouts
3. NESC Clearance Handouts
4. HB 4150 Law

Summary of Transmission Webinar for PURA §38.102 (one-hour course to accompany TEC Safety Meeting)

PURA §38.102 requires electric utilities including electric cooperatives and municipally owned utilities to provide training to employees related to the National Electric Safety Code (NESC) for construction of electric transmission and distribution lines. This webinar discusses the requirements for transmission facilities which are defined as facilities operating above 60 kV. The webinar will not include discussions regarding distribution lines. This training will focus on transmission clearances, strength issues, and access of overhead transmission lines.

Course Outline:

1. Maximum Operating Temperature and Sag Requirements for Transmission Conductors
2. Additional Ground Clearance Requirements for Transmission Lines
 - a. Maximum Operating Voltage
 - b. Elevation above Sea Level
 - c. Electrostatic Effects to Vehicles below the Line.
3. Additional Clearances from Building/Signs
 - a. Deflection of Insulators
 - b. Deflection of Structures
 - c. Clearance Based on Maximum Operating Voltage
 - d. Limited Electrostatic Effects to Buildings and Signs below the Line
4. Mid-span Conductor Clearances
5. Power Lines and Phone Lines Crossing below Transmission Lines
6. Grade of Construction for Voltages Over 22kV
 - a. Guying Strength Requirements

- b. Under-build Strength Requirements
- 7. Identification of Climbable Supporting Structures

Objectives:

- 1. Determine appropriate clearances for transmission lines.
- 2. Define maximum sag for determined clearances.
- 3. Identify strength requirements for transmission facilities

Summary of Hazardous Recognition Training for Transmission Facilities (one-hour course to accompany TEC Safety Meeting)

PURA §38.102 requires electric utilities including electric cooperatives and municipally owned utilities to provide hazard recognition training related to overhead transmission and distribution facilities. For the purposes of this training, transmission facilities include those electric facilities operating above 60 kV. One of the challenges to recognizing hazards inherent to transmission facilities is the significant changes in conductor sag for transmission lines. The goal for this training is to educate employees to observe, recognize and report hazardous situations.

Course Outline:

- 1. Definition of a Hazard
- 2. Hazards to Report
 - a. Non-compliance with NESC
 - b. Failed System Components
 - c. Failure of Warning Lights/Marker Balls
- 3. Summary of Clearances for Transmission Facilities
- 4. Recognition of Changes in Conductor Sag for Long Spans
- 5. Activities near the Line
 - a. Grading
 - b. Crane Operation OSHA 1926.1408(a)
 - c. Scaffold Clearances OSHA 1926.451(f)
 - d. Construction of Adjacent Buildings/Signs
- 6. Right-of-way Issues
 - a. Danger Trees
 - b. Dead Trees
 - c. Erosion of the Right-of-Way
- 7. Priorities of Reported Issues
- 8. Record Keeping Requirements

Objectives:

- 1. Define hazards associated with transmission lines.
- 2. Identify appropriate distance for cranes from power lines.
- 3. Identify required clearances for transmission line related to roads and buildings.
- 4. Define a danger tree.

Organization	Prepared By	Date Performed	1.1 : TEC - Hazard	1.2 : Hi-Line	1.3 : Hi-Line
			Recognition & NESC Clearance for Distribution Lines	Engineering - Hazard Recognition for Transmission Lines	Engineering - NESC Clearance for Transmission Lines
Wood County Electric Cooperative	Aaron Royal	03/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	August Walters	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Bil Walker	03/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Brangus Winkle	07/08/2020	05/08/2020 12:00 AM	05/08/2020 12:00 AM	05/08/2020 12:00 AM
Wood County Electric Cooperative	Brant Green	21/07/2020	01/08/2020 12:00 AM	03/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Brian Morgan	31/07/2020	31/07/2020 12:00 AM	31/07/2020 12:00 AM	31/07/2020 12:00 AM
Wood County Electric Cooperative	C J Harrell	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	C.H. Campbell	23/07/2020	23/07/2020 12:00 AM	24/07/2020 12:00 AM	24/07/2020 12:00 AM
Wood County Electric Cooperative	Caden Hamm	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Casey Smith	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Casey Walls	06/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Chad Young	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Chuck Baucum	05/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Colton Otto	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Daniel Miller	07/08/2020	02/08/2020 12:00 AM	06/08/2020 12:00 AM	07/08/2020 12:00 AM
Wood County Electric Cooperative	Daniel Williams	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Daren Turner	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Darren Crofford	22/07/2020	22/07/2020 12:00 AM	22/07/2020 12:00 AM	22/07/2020 12:00 AM
Wood County Electric Cooperative	David Bessonnett	23/07/2020	23/07/2020 12:00 AM	23/07/2020 12:00 AM	23/07/2020 12:00 AM
Wood County Electric Cooperative	David Spindle	03/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Dusti LaFon	03/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Eddie Stebbins	22/07/2020	20/07/2020 12:00 AM	22/07/2020 12:00 AM	22/07/2020 12:00 AM
Wood County Electric Cooperative	Erick McFarland	06/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Erick McFarland	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	J D Deeble	07/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	J P Allen	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Jacob Smith	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Jake Roan	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Jared Shirley	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Jason Johnson	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Jay Murdock	22/07/2020	21/07/2020 12:00 AM	22/07/2020 12:00 AM	22/07/2020 12:00 AM
Wood County Electric Cooperative	Jesse McGregor	05/08/2020	05/08/2020 12:00 AM	05/08/2020 12:00 AM	05/08/2020 12:00 AM
Wood County Electric Cooperative	John Pruden	24/07/2020	07/07/2020 12:00 AM	24/07/2020 12:00 AM	24/07/2020 12:00 AM
Wood County Electric Cooperative	Jon Loya	07/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Jon Loya	06/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Jose Garza	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Justin Wenich	03/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Justin Wingfield	03/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Keith Warren	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Keith Warren	03/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Kody Keith	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Lalo Hernandez	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Lance Shirley	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Logan Thompson	05/08/2020	20/07/2020 12:00 AM	23/07/2020 12:00 AM	23/07/2020 12:00 AM
Wood County Electric Cooperative	Marcus Phillips	05/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Marcus Russell	03/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Mike Rosio	23/07/2020	23/07/2020 12:00 AM	23/07/2020 12:00 AM	23/07/2020 12:00 AM
Wood County Electric Cooperative	Nelson Reneau	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Preston Lowery	03/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Ramon Steward	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Rhett Redding	07/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Rusty Mask	05/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Steve Gillean	07/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Steve Gillean	03/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM

Wood County Electric Cooperative	Steven Sandifer	28/07/2020	28/07/2020 12:00 AM	28/07/2020 12:00 AM	28/07/2020 12:00 AM
Wood County Electric Cooperative	Terry Hayley	03/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM
Wood County Electric Cooperative	Zane Hradecky	04/08/2020	04/08/2020 12:00 AM	04/08/2020 12:00 AM	04/08/2020 12:00 AM
Wood County Electric Cooperative	Denver Tinney	03/08/2020	03/08/2020 12:00 AM	03/08/2020 12:00 AM	03/08/2020 12:00 AM

Arthur C. D'Andrea
Chairman



Greg Abbott
Governor

Thomas J. Gleeson
Executive Director

Public Utility Commission of Texas

April 5, 2021

Cliff Campbell
Chief Operating Officer
Wood County Electric Cooperative, Inc.
P.O. Box 1827
Quitman, TX 75783

Dear Mr. Campbell,

On April 27, 2020, Wood County Electric Cooperative filed a report under the Public Utility Commission of Texas's Line Inspection and Safety program which was supposed to document training topics and materials used to comply with 16 TAC § 25.97(d). Specifically, WCEC, as an owner or operator of either transmission or distribution electric service lines, was required by May 1, 2020 to file a:

- (A) a summary description of hazard recognition training documents provided by the affected entity to its employees related to overhead transmission and distribution facilities; and
- (B) a summary description of training programs provided to employees by the affected entity related to the National Electrical Safety Code (NESC) for construction of electric transmission and distribution lines.

The report filed by the WCEC indicated that the scheduled training had been canceled due to travel restrictions. The Commission's rule 16 TAC § 25.97(d)(2) requires affected utilities to submit an updated report no later than 30 days following a change in either the training program or materials used for training. The Commission requests WCEC to submit an updated filing indicating whether the planned training occurred and, if so, provide the required information enumerated above. If the training has not occurred, WCEC should indicate when it will occur and ensure that it file an updated report within the timelines proscribed.

WCEC has thirty days from the date of this letter to respond to the above questions by filing an updated report in Project No. 50595, *Training Reports for Line Inspection and Safety*. If WCEC fails to file an updated report curing all deficiencies, this issue may be referred to the Commission's legal division for enforcement action.



Should you have any questions, please do not hesitate to contact Davida Dwyer, Director of Enforcement.

Sincerely,

A handwritten signature in black ink, appearing to read 'Thomas Gleeson', with a stylized, flowing script.

Thomas Gleeson
Executive Director